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NEWS	4	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS	5	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS	6	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	7	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS	8	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses
NEWS	9	APR 02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS	10	APR 02	PATDPAFULL: Application and priority number formats enhanced
NEWS	11	APR 02	DWPI: New display format ALLSTR available
NEWS	12	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS	13	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS	14	APR 07	CA/CAPLUS CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
NEWS	15	APR 07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAPLUS
NEWS	16	APR 07	MEDLINE Coverage Is Extended Back to 1947
NEWS EXPRESS	FEBRUARY 15	10	CURRENT WINDOWS VERSION IS V8.4.2, AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.
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\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 15:04:56 ON 07 APR 2010

=> file registry	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 15:05:09 ON 07 APR 2010  
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STRUCTURE FILE UPDATES: 6 APR 2010 HIGHEST RN 1217295-43-6  
DICTIONARY FILE UPDATES: 6 APR 2010 HIGHEST RN 1217295-43-6

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TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

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experimental property data in the original document. For information  
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<http://www.cas.org/support/stngen/stndoc/properties.html>

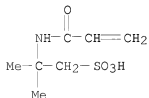
```
=> s 15214-89-8/RN
L1      1 15214-89-8/RN

=> s 27119-07-9
L2      1 27119-07-9
        (27119-07-9/RN)
```

```
=> s L1 AND L2
L3      0 L1 AND L2
```

```
=> d scan L1
```

```
L1      1 ANSWERS  REGISTRY  COPYRIGHT 2010 ACS on STN
IN      1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-
MF      C7 H13 N O4 S
CI      COM
```

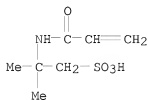


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> d scan L2

L2 1 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-,  
homopolymer  
ME (C7 H13 N O4 S)x  
CI PMS, COM  
  
CM 1



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s 2-acrylamido-2-methylpropanesulfonic acid  
39264409 2  
4009 ACRYLAMIDO  
39264409 2  
829 METHYLPROPANESULFONIC  
12973765 ACID  
8597 ACIDS  
12979971 ACID  
(ACID OR ACIDS)  
L4 778 2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID  
(2(W)ACRYLAMIDO(W)2(W)METHYLPROPANESULFONIC(W)ACID)  
  
=> s "2-acrylamido-2-methylpropanesulfonic acid"  
39264409 "2"  
4009 "ACRYLAMIDO"  
39264409 "2"  
829 "METHYLPROPANESULFONIC"  
12973765 "ACID"  
8597 "ACIDS"  
12979971 "ACID"  
( "ACID" OR "ACIDS" )  
L5 778 "2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID"  
( "2" (W) "ACRYLAMIDO" (W) "2" (W) "METHYLPROPANESULFONIC" (W) "ACID" )  
  
=> s stearyl methacrylate  
3125 STEARYL  
57393 METHACRYLATE  
12 METHACRYLATES  
57393 METHACRYLATE  
(METHACRYLATE OR METHACRYLATES)  
L6 959 STEARYL METHACRYLATE

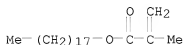
(STEARYL(W)METHACRYLATE)

```
=> s stearyl (A) methacrylate
    3125 STEARYL
    57393 METHACRYLATE
    12 METHACRYLATES
    57393 METHACRYLATE
    (METHACRYLATE OR METHACRYLATES)
L7 1055 STEARYL (A) METHACRYLATE
```

```
=> s 112-08-3/RN
L8 1 112-08-3/RN
```

```
=> d scan L8
```

```
L8 1 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 2-Propenoic acid, 2-methyl-, octadecyl ester
MF C22 H42 O2
CI COM
```



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

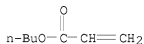
ALL ANSWERS HAVE BEEN SCANNED

```
=> s 9003-49-0/RN
L9 1 9003-49-0/RN
```

```
=> d scan L9
```

```
L9 1 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 2-Propenoic acid, butyl ester, homopolymer
MF (C7 H12 O2)x
CI PMS, COM
```

```
CM 1
```



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

```
=> s n-butyl acrylate
    16339039 N
    2417361 BUTYL
    10 BUTYLS
```

2417361 BUTYL  
 (BUTYL OR BUTYLS)  
 88947 ACRYLATE  
 55 ACRYLATES  
 88947 ACRYLATE  
 (ACRYLATE OR ACRYLATES)  
 L10 398 N-BUTYL ACRYLATE  
 (N(W)BUTYL(W)ACRYLATE)

=> s acrylic acid  
 50784 ACRYLIC  
 1 ACRYLICS  
 50784 ACRYLIC  
 (ACRYLIC OR ACRYLICS)  
 12973765 ACID  
 8597 ACIDS  
 12979971 ACID  
 (ACID OR ACIDS)  
 L11 49972 ACRYLIC ACID  
 (ACRYLIC(W)ACID)

=> s methylene-bis-acrylamide  
 2192523 METHYLENE  
 3 METHYLENES  
 2192523 METHYLENE  
 (METHYLENE OR METHYLENES)  
 4092809 BIS  
 2 BISES  
 4092809 BIS  
 (BIS OR BISES)  
 19830 ACRYLAMIDE  
 L12 1573 METHYLENE-BIS-ACRYLAMIDE  
 (METHYLENE(W)BIS(W)ACRYLAMIDE)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	128.35	128.57

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FILE COVERS 1907 - 7 Apr 2010 VOL 152 ISS 15  
 FILE LAST UPDATED: 6 Apr 2010 (20100406/ED)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

Caplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d hist

(FILE 'HOME' ENTERED AT 15:04:56 ON 07 APR 2010)

FILE 'REGISTRY' ENTERED AT 15:05:09 ON 07 APR 2010

L1 1 S 15214-89-8/RN  
L2 1 S 27119-07-9  
L3 0 S L1 AND L2  
L4 778 S 2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID  
L5 778 S "2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID"  
L6 959 S STEARYL METHACRYLATE  
L7 1055 S STEARYL (A) METHACRYLATE  
L8 1 S 112-08-3/RN  
L9 1 S 9003-49-0/RN  
L10 398 S N-BUTYL ACRYLATE  
L11 49972 S ACRYLIC ACID  
L12 1573 S METHYLENE-BIS-ACRYLAMIDE

FILE 'CAPLUS' ENTERED AT 15:14:15 ON 07 APR 2010

=> s L4 AND (L6 OR L10)

6403 L4  
3259 L6  
27780 L10

L13 264 L4 AND (L6 OR L10)

=> s L13 and emulsion

230581 EMULSION  
140980 EMULSIONS  
280042 EMULSION  
(EMULSION OR EMULSIONS)

L14 69 L13 AND EMULSION

=> s L14 and cosmetic

78352 COSMETIC  
78960 COSMETICS  
105791 COSMETIC  
(COSMETIC OR COSMETICS)

L15 3 L14 AND COSMETIC

=> d L15 1-3 all

L15 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN  
AN 2006:1253190 CAPLUS  
DN 146:12633  
ED Entered STN: 01 Dec 2006  
TI Oil-in-water emulsion composition and its cosmetic use  
IN Fonolla Moreno, Angeles  
PA L'Oreal, Fr.  
SO Fr. Demande, 21pp.  
CODEN: FRXXBL  
DT Patent  
LA French  
CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2886152	A1	20061201	FR 2005-51410	20050530
	FR 2886152	B1	20070810		
PRAI	FR 2005-51410		20050530		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
FR 2886152	IPCI	A61K0031-17 [I,A]; A61K0008-72 [I,A]; A61K0008-40 [I,A]; A61K0008-30 [I,C*]; A61K0834-00 [I,A]; A61K0008-06 [I,A]; A61K0008-04 [I,C*]; A61P0017-00 [I,A]; A61Q0019-00 [I,A]; A61Q0005-00 [I,A]; A61Q0001-14 [I,A]
	IPCR	A61K0031-17 [I,C]; A61K0031-17 [I,A]; A61K0008-04 [I,C]; A61K0008-06 [I,A]; A61K0008-30 [I,C]; A61K0008-40 [I,A]; A61K0008-72 [I,C]; A61K0008-72 [I,A]; A61P0017-00 [I,C]; A61P0017-00 [I,A]; A61Q0001-14 [I,C]; A61Q0001-14 [I,A]; A61Q0005-00 [I,C]; A61Q0005-00 [I,A]; A61Q0019-00 [I,C]; A61Q0019-00 [I,A]
	ECLA	A61K008/34D; A61K008/58C; A61K008/81K4; A61K008/81K6; A61Q019/00

OS MARPAT 146:12633

AB A composition for topical application, in the form of oil-in-water emulsion, comprises an oily phase dispersed in an aqueous phase, characterized in that it contains (i) more than 10% of oily phase, (ii) at least 5% of one or more polyols, (iii) at least a tetrapolymer made of methacrylic acid, Me methacrylate, Bu acrylate, and (C16-20 alkyl meth)acrylate (such as Allianz OPT) and (iv) at least a homopolymer comprising 2-acrylamido-2-methylpropane sulfonic acid (such as Hostacerin AMPS). The compns. present good cosmetic qualities and moisturize the skin very well. The compns. are used for the care, the make-up removal and/or the cleaning of skin or hair. A cosmetic emulsion contained Parleam oil 2, Prisorine-3644 4, caprylic/capric triglyceride 5, cyclomethicone 6, apricot kernel oil 1.5, Synthetic wax 3, methylparaben 0.25, butylparaben 0.2, caprylyl glycol 0.3, vitamin E 0.5, Abil Wax-9800 2, Allianz OPT 1.2, Hostacerin AMPS 1.8, glycerin 6.5, propylene glycol 2.5, Hydrovance 2, triethanolamine 0.05, silica 0.1, plastic powder 0.3, Rosa gallica 0.5, L-2-oxathiazolidine-4-carboxylic acid 0.8, and water q.s. 100%.

ST cosmetic emulsion acrylic polymer polyol

IT Cosmetic emulsions

Hair preparations

Skin cleansers

Skin cleansers

(oil-in-water emulsion composition and its cosmetic use)

IT Carbohydrates, biological studies

Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oil-in-water emulsion composition and its cosmetic use)

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(polyhydric; oil-in-water emulsion composition and its cosmetic use)

IT 50-70-4, Sorbitol, biological studies 57-55-6, Propylene glycol, biological studies 79-41-4D, Methacrylic acid, copolymers with acrylic esters 80-62-6D, Methyl methacrylate, copolymers with acrylic esters 141-32-2D, Butyl acrylate, copolymers with acrylic esters 2495-27-4D, Cetyl methacrylate, copolymers with acrylic esters 2568-33-4, Isoprene glycol 25322-68-3, Polyethylene glycol 32360-05-7D, Stearyl methacrylate, copolymers with acrylic esters 48076-38-6D, Eicosyl

acrylate, copolymers with acrylic esters 121601-24-9,  
 Hostacerin AMPS 609369-80-4, Allianz OPT  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (oil-in-water emulsion composition and its cosmetic use)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE CITED REFERENCES

- (1) Keenan, A; US 2002061322 A1 2002
- (2) Lorant, R; US 2002006419 A1 2002 CAPLUS
- (3) Rohm & Haas; EP 1273286 A 2003 CAPLUS

L15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:748348 CAPLUS

DN 142:378882

ED Entered STN: 14 Sep 2004

TI Application of film forming polymers in skin care, cosmetics,  
 hair care, mascaras, nail care, and other personal care applications

AU Ugazio, Stephane; Stadelmann, Viktor; Duccini, Yves

CS Rohm and Haas Company, UK

SO Research Disclosure (2004), 484(Aug.), P1046 (No. 484006)

CODEN: RSDSBB; ISSN: 0374-4353

PB Kenneth Mason Publications Ltd.

DT Journal; Patent

LA English

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RD 484006		20040810	RD 2004-484006	20040810
PIRAI	RD 2004-484006		20040810		
AB	<p>The Rohm and Haas Company synthesizes and manufs. a variety of film forming polymers for use on personal care, such as hair fixative and styling polymers, nail coatings, as well as all types of industrial applications. These polymers consist of ethylenically unsatd. monomers polymerized to a mol. weight greater than about 25,000. These polymers can be synthesized in any way, but most likely as a solution polymerization in water</p>				
or	<p>organic solvent, or in water as an emulsion polymerization, or as an inverse emulsion polymerization. They can be used in all types of skin care formulations, antiperspirant/deodorant formulations, mascaras, lipstick, nail care, cosmetic foundations, sunscreens, shaving products, depilatories, and skin lotions. These polymers can be imbibed with actives, such as vitamins, fragrances, enzymes, for the purpose of controlling or triggering their release to the skin or the environment.</p>				
ST	polymer skin cosmetic hair				
IT	Cosmetics				
	(application of film forming polymers in skin care, cosmetics, hair care, mascaras, nail care, and other personal care applications)				
IT	Hair preparations				
	(fixatives; application of film forming polymers in skin care, cosmetics, hair care, mascaras, nail care, and other personal care applications)				
IT	Cosmetics				
	(mascaras; application of film forming polymers in skin care, cosmetics, hair care, mascaras, nail care, and other personal care applications)				
IT	Cosmetics				
	(nail lacquers; application of film forming polymers in skin care, cosmetics, hair care, mascaras, nail care, and other personal care applications)				
IT	9003-01-4, Polyacrylic acid 9003-05-8, Polyacrylamide 9003-21-8, Polymethylacrylate 9003-32-1, Polyethyl acrylate 9003-49-0, Polybutyl acrylate 9003-53-6, Polystyrene 9003-63-8, Polybutyl				

methacrylate 9003-77-4, Polyethylhexylacrylate 9011-14-7, Polymethyl methacrylate 9086-85-5, Polyhydroxypropyl methacrylate 15214-89-8 25014-41-9, Polyacrylonitrile 25087-26-7, Polymethacrylic acid 25119-64-6, Polyitaconic acid 25249-16-5 25639-21-8, Polystearyl methacrylate 25719-52-2, Polylauryl methacrylate 25852-47-5, Polyethylene glycol methacrylate 25986-77-0, Polystearyl acrylate 26022-14-0, Polyhydroxyethyl acrylate 26246-92-4, Polylauryl acrylate 26570-48-9, Polyethylene glycol acrylate 50851-57-5 62501-03-5, Polyhydroxypropyl acrylate 125591-06-2 154116-66-2, Polynorbornyl methacrylate 849408-02-2 849408-03-3, Polynorbornyl acrylate

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(application of film forming polymers in skin care, cosmetics  
, hair care, mascaras, nail care, and other personal care applications)

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2000:167486 CAPLUS

DN 132:185256

ED Entered STN: 15 Mar 2000

TI Cosmetic compositions for photoprotection of skin and hair containing N-substituted benzazole derivatives and acrylic polymers

IN Candau, Didier

PA Oreal S. A., Fr.

SO Fr. Demande, 21 pp.

CODEN: FRXXBL

DT Patent

LA French

IC ICM A61K007-40

ICS A61K007-06

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2780280	A1	19991231	FR 1998-8163	19980626
	FR 2780280	B1	20010112		
PRAI	FR 1998-8163		19980626		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
FR 2780280	IPCI	A61K0007-40 [ICM,6]; A61K0007-06 [ICS,6]
	IPCR	A61K0008-30 [I,C*]; A61K0008-49 [I,A]; A61Q0017-04 [I,C*]; A61Q0017-04 [I,A]
	ECLA	A61Q017/04; A61K008/49F1

OS MARPAT 132:185256

AB Cosmetic compns. for photoprotection of skin and hair containing N-substituted benzazole derivs. and acrylic polymers as thickening agents. A composition contained C12-15 alkyl benzoates 5, triethanolamine 0.7, 2-(1-(2-ethylhexyl)benzimidazol-2-yl-benzothiazole 2.5, Parsol 1789 2, Uvinul N539 5, 30% acrylic acid-ethoxylated monostearyl itaconate (Structure 2001) 3.33, EDTa 0.1, glycerin 5, Mexoryl Sx 1, preservatives q.s., and water q.s. 100 g.

ST skin cosmetic photoprotection benzazole deriv; acrylic polymer

skin cosmetic photoprotection benzazole

IT Polyelectrolytes

(anionic; cosmetic compns. for photoprotection of skin and hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Antioxidants

Opacifiers

Perfumes

Preservatives

Propellants (sprays and foams)

Sequestering agents

Shampoos  
 Stabilizing agents  
 Sunscreens  
 Suntanning agents  
 Surfactants  
 Thickening agents  
   (cosmetic compns. for photoprotection of skin and hair containing  
   N-substituted benzazole derivs. and acrylic polymers)

IT Acids, biological studies  
 Acrylic polymers, biological studies  
 Bases, biological studies  
 Fatty acids, biological studies  
 Oxides (inorganic), biological studies  
 Polymers, biological studies  
 Polysiloxanes, biological studies  
 Vitamins  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
   (cosmetic compns. for photoprotection of skin and hair containing  
   N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (creams; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (dispersions; cosmetic compns. for photoprotection of skin  
   and hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (emollients; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (emulsions; cosmetic compns. for photoprotection of  
   skin and hair containing N-substituted benzazole derivs. and acrylic  
   polymers)

IT Cosmetics  
   (gels; cosmetic compns. for photoprotection of skin and hair  
   containing N-substituted benzazole derivs. and acrylic polymers)

IT Carboxylic acids, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
   (hydroxy; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (lotions; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (moisturizers; cosmetic compns. for photoprotection of skin  
   and hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Solvents  
   (organic; cosmetic compns. for photoprotection of skin and hair  
   containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (powders; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (solids; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Cosmetics  
   (sprays; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT Hair preparations  
   (sunscreens; cosmetic compns. for photoprotection of skin and  
   hair containing N-substituted benzazole derivs. and acrylic polymers)

IT 69-72-7D, derivs. 76-22-2D, derivs. 79-10-7D, 2-Propenoic acid, Cl-4-alkyl esters, polymers containing 79-41-4D, Cl-C4-alkyl esters, polymers containing 119-61-9D, derivs. 141-32-2D, polymers with alkyl acrylates 150-13-0D, derivs. 606-84-8D, derivs. 621-82-9, biological studies 1314-13-2, Zinc oxide (ZnO), biological studies 1314-23-4, Zirconium oxide (ZrO2), biological studies 5466-77-3 6197-30-4 11129-18-3, Cerium oxide 12654-97-6D, Triazine, derivs. 13463-67-7, Titanium oxide (TiO2), biological studies 25035-82-9 26100-47-0 27119-07-9D, 2-acrylamido-2-methylpropanesulfonic acid homopolymer 27119-07-9D, neutralized 27274-31-3D, alkyl ethers, polymers with acrylic acid derivs. 27503-81-7 28214-57-5 35429-19-7 40623-73-2D, neutralized 70356-09-1 75760-37-1 75760-38-2 81444-26-0 83120-95-0 92761-26-7 109292-17-3 138789-85-2, Pemulen TR 1 207912-79-6 207912-80-9 207912-81-0 207912-83-2 207912-84-3 207912-85-4 207912-88-7 207912-90-1 207912-91-2 207912-92-3 207912-97-8 207913-00-6 207913-01-7 207913-02-8 207913-06-2 211633-20-4 217087-71-3, Structure 2001 259535-29-0 259661-93-3 259661-95-5 259665-23-1 1191416-87-1  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (cosmetic compns. for photoprotection of skin and hair containing N-substituted benzazole derivs. and acrylic polymers)

IT 24980-58-3  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (crosslinked; cosmetic compns. for photoprotection of skin and hair containing N-substituted benzazole derivs. and acrylic polymers)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 RE CITED REFERENCES  
 (1) Anon; EP 0669323 A1 CAPLUS  
 (2) Anon; EP 0722714 A2 CAPLUS  
 (3) Anon; EP 0832641 A2 CAPLUS  
 (4) Anon; EP 0843995 A2 CAPLUS

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ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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 DICTIONARY FILE UPDATES: 6 APR 2010 HIGHEST RN 1217295-43-6

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L3      0 S L1 AND L2
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L5      778 S "2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID"
L6      959 S STEARYL METHACRYLATE
L7      1055 S STEARYL (A) METHACRYLATE
L8      1 S 112-08-3/RN
L9      1 S 9003-49-0/RN
L10     398 S N-BUTYL ACRYLATE
L11     49972 S ACRYLIC ACID
L12     1573 S METHYLENE-BIS-ACRYLAMIDE
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L14     69 S L13 AND EMULSION
L15     3 S L14 AND COSMETIC
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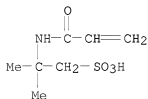
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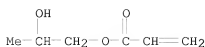
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L16 12 ANSWERS  REGISTRY  COPYRIGHT 2010 ACS on STN
IN  2-Propenoic acid, butyl ester, polymer with chloroethene, 2-hydroxypropyl
    2-propenoate and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic
    acid monosodium salt (9CI)
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CI  PMS

CM    1
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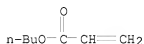


● Na

CM 2



CM 3



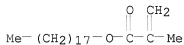
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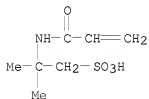
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L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with  
 N,N'-methylenebis[2-propenamide], 2-methyl-2-[(1-oxo-2-propenyl)amino]-  
 1-propanesulfonic acid and 2-propenoic acid  
 MF (C22 H42 O2 . C7 H13 N O4 S . C7 H10 N2 O2 . C3 H4 O2)x  
 CI PMS

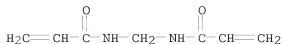
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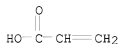
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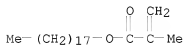


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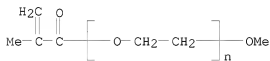


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
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 $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -methoxypoly(oxy-1,2-  
 ethanediyl) and octadecyl 2-methyl-2-propenoate, graft (9CI)  
 MF (C22 H42 O2 . C7 H13 N O4 S . C5 H8 O2 . (C2 H4 O)<sub>n</sub> C5 H8 O2)<sub>x</sub>  
 CI PMS

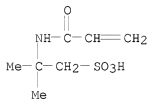
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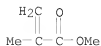
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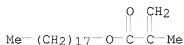


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with

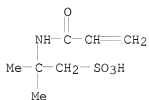
N,N'-methylenebis[2-propenamide], 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and 2-propenamide

MF (C22 H42 O2 . C7 H13 N O4 S . C7 H10 N2 O2 . C3 H5 N O)x  
CI PMS

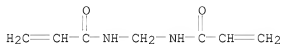
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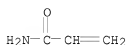
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CM 3



CM 4



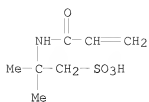
L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with  
2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and  
2-propenamide

MF (C22 H42 O2 . C7 H13 N O4 S . C3 H5 N O)x  
CI PMS

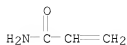
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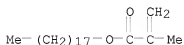


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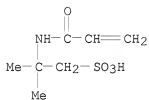


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with ethyl  
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 MF 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid  
 CI (C22 H42 O2 . C7 H13 N O4 S . C7 H10 N2 O2 . C5 H8 O2)x  
 PMS

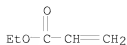
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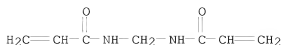
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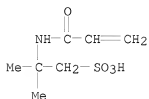


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, polymer with  
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 1-propanesulfonic acid and octadecyl 2-methyl-2-propenoate  
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 CI PMS

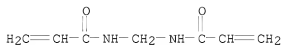
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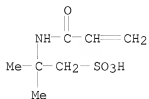


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
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 MF (C22 H42 O2 . C10 H10 . C7 H13 N O4 S . C3 H5 N O)x  
 CI PMS

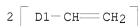
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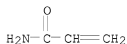
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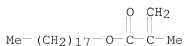


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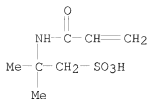


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with ethyl  
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 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and  
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 MF (C22 H42 O2 . C7 H13 N O4 S . C7 H10 N2 O2 . C5 H8 O2 . C2 H4 O)x  
 CI PMS

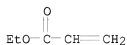
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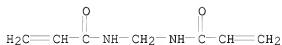
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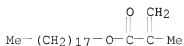


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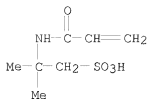


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with butyl  
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 MF (C22 H42 O2 . C7 H13 N O4 S . C7 H12 O2 . C7 H10 N2 O2 . C2 H4 O)x  
 CI PMS

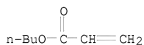
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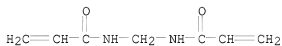
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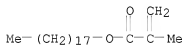


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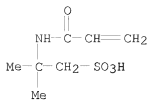


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with butyl  
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 CI PMS

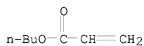
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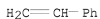
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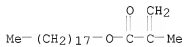


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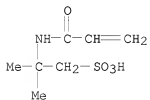


L16 12 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
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 2-methyl-2-propenoate (9CI)  
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 CI PMS

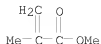
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CM 2



CM 3



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FULL ESTIMATED COST                2.94      154.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                  0.00      -2.55
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 FILE LAST UPDATED: 6 Apr 2010 (20100406/ED)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

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FILE 'REGISTRY' ENTERED AT 15:05:09 ON 07 APR 2010

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L5      778 S "2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID"
L6      959 S STEARYL METHACRYLATE
L7      1055 S STEARYL (A) METHACRYLATE
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L8 1 S 112-08-3/RN  
 L9 1 S 9003-49-0/RN  
 L10 398 S N-BUTYL ACRYLATE  
 L11 49972 S ACRYLIC ACID  
 L12 1573 S METHYLENE-BIS-ACRYLAMIDE

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 L14 69 S L13 AND EMULSION  
 L15 3 S L14 AND COSMETIC

FILE 'REGISTRY' ENTERED AT 15:23:19 ON 07 APR 2010

L16 12 S (L4 AND (L6 OR L10))

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L17 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2010 ACS on SIN

ACCESSION NUMBER: 2007:8605 CAPLUS  
 DOCUMENT NUMBER: 146:101639  
 TITLE: Polymer thickeners for acidic aqueous systems  
 INVENTOR(S): Zeng, Fanwen  
 PATENT ASSIGNEE(S): Rohm and Haas Company, USA  
 SOURCE: Eur. Pat. Appl., 15pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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KR 2007001814	A1	20070104	KR 2006-58464	20060628
KR 791257	B1	20080104		
JP 2007023275	A	20070201	JP 2006-177496	20060628
PRIORITY APPLN. INFO.:			US 2005-695198P	P 20050629
AB A polymer comprises 15-65% of sulfonic acid monomer residues, 15-70% of acrylamide residues, 2-20% of hydrophobic monomer residues, and 0.25-1.5% of crosslinker residues, the hydrophobic monomer being selected from alkyl (meth)acrylates, vinyl alkanooates, N-vinyl alkylamides, and N-alkyl (meth)acrylamides having C6-C25-alkyl groups. The polymer can be used as a viscosity modifier for aqueous compns. of low pH. Thus, a copolymer comprising acrylamide (32), 2-acrylamido-2-methylpropanesulfonic acid (58), and stearyl methacrylate (10%) crosslinked with 1% of methylenebisacrylamide was prepared by radical suspension polymerization in tert-butanol.				
OS.CITING REF COUNT:	1	THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)		
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L17 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:149008 CAPLUS

DOCUMENT NUMBER: 143:367640

TITLE: Surface molecular mobility and functionality for amphiphilic copolymers having hydrophilic and/or hydrophobic side-chains

AUTHOR(S): Komasatitaya, J.; Takahashi, S.; Saito, T.; Anzai, S.; Kasemura, T.

CORPORATE SOURCE: Engineering Faculty, Gifu University, Gifu, 501-1193, Japan

SOURCE: Transactions of the Materials Research Society of Japan (2004), 29(1), 173-176

CODEN: TMRJE3; ISSN: 1382-3469

PUBLISHER: Materials Research Society of Japan

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Comb polymers of Me methacrylate (MMA), methoxy-poly(ethylene glycol methacrylate) (MPEGMA) as hydrophilic component, and methoxypolypropylene glycol methacrylate (MPPGMA) or poly(dimethylsiloxane) methacrylate (PDMSMA) as hydrophobic component, were synthesized by both living radical photo-polymerization and radical polymerization The surface mol. mobility of

the

copolymers was studied via dynamic contact angle (DCA), adhesion tension relaxation (ATR), and XPS. The copolymers show high surface activity, suitable for use as emulsifiers. Emulsions containing the emulsifiers showed comparatively good emulsification and mech. properties. The copolymers had almost the same emulsification capability as com. low mol. weight emulsifiers. Differences in surface and interfacial tension of aqueous solns. of the copolymers were observed, attributed to chain arrangements (random or block sequence) of the copolymers. The copolymers are of interest for use as, e.g., blood compatible material, adhesives, PSA [pressure sensitive adhesives], and surface-active agents.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:117931 CAPLUS

DOCUMENT NUMBER: 138:173103

TITLE: Hydrophobic group associative polymers and compositions and methods employing them in thixotropic well treatment fluids

INVENTOR(S): Benton, William J.; Miller, Edward E.; Magri, Neal F.; Touns, John

PATENT ASSIGNEE(S): Cabot Corporation, USA

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003012004	A1	20030213	WO 2002-US23755	20020726
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

US 20030114317 A1 20030619 US 2001-918410 20010730  
US 7056868 B2 20060606  
CA 2455901 A1 20030213 CA 2002-2455901 20020726  
AU 2002322676 A1 20030217 AU 2002-322676 20020726  
AU 2002322676 B2 20080828  
EP 1412449 A1 20040428 EP 2002-756685 20020726  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
NO 2004000398 A 20040329 NO 2004-398 20040129  
US 2001-918410 A 20010730  
WO 2002-US23755 W 20020726

PRIORITY APPLN. INFO.:

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Water soluble associative polymers and compns. comprising them together with alkali metal salts of carboxylic acid are disclosed. Methods include introducing into a wellbore a fluid comprising such associative polymers and alkali metal salts of carboxylic acid, e.g., cesium formate. Disclosed water soluble associative polymers have functionality including at least sulfonate groups, carboxylate groups and hydrophobic groups associative with one another in a saturated aqueous solution of an alkali metal salt of a carboxylic acid. Water soluble associative polymers are formed as the polymerization reaction product of reactants comprising an AMPS reactant, an alpha, beta-unsatd. carbonyl reactant and a hydrophobic reactant selected from acrylic esters, methacrylic esters and a mixture of any of them, having a - OOR moiety wherein R is a hydrophobic group and these hydrophobic groups are associative with one another in a saturated aqueous solution of an alkali

metal salt of a carboxylic acid.

OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2010 ACS on SIN

ACCESSION NUMBER: 1997:216100 CAPLUS

DOCUMENT NUMBER: 126:264483

ORIGINAL REFERENCE NO.: 126:51231a,51234a

TITLE: Preparation of polymers from ethylenically unsaturated monomers containing groups having repellency and affinity to particles in nonaqueous liquid media containing a surfactant

INVENTOR(S): Kimpton, Paul T.; Houghton, Mark P.; Russell, Stephen W.

PATENT ASSIGNEE(S): National Starch and Chemical Investment Holding Corporation, USA

SOURCE: U.S., 6 pp., Cont.-in-part of U.S. Ser. No. 173,895, abandoned.  
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5612429	A	19970318	US 1995-420391	19950412
PRIORITY APPLN. INFO.:			US 1992-871449	B1 19920421
			US 1993-175895	B2 19931230

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Random or block copolymers AmBnCp (A = ethylenically unsatd. monomers containing group extending away from particle surfaces dispersed in a nonaq. liquid; B = ethylenically unsatd. monomer containing group associating with particles; and, optionally, C = C2-6 ethylenically unsatd. mono- or dicarboxylic acid and their derivs., styrene, or vinyl acetate), useful in especially, nonaq. liquid cleaning agents, are prepared by free radical polymerization in a nonaq. liquid medium containing a surfactant, ≤10% water and, optionally, an ester of a polyhydric alc. Thus, a mixture of acrylic acid 104, lauryl methacrylate 56, 2-acrylamido-2-methylpropanesulfonic acid 1.6, isopropanol chain transfer agent 20 and deionized water 5 g was added over 3 h to 910 g Dobanol 91-6 (ethoxylated C9-11 alc.) at 80° then .apprx.10 g aqueous isopropanol removed under vacuum to give a polymer having 15% solids, ≤0.5% water and weight average mol. weight 12,000.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)  
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1997:180739 CAPLUS

DOCUMENT NUMBER: 126:172058

ORIGINAL REFERENCE NO.: 126:33257a,33260a

TITLE: Preparation of chlorinated vinyl chloride resins with low gelation temperature and good workability  
 INVENTOR(S): Nakachi, Takeshi; Kawaguchi, Yasuhiro; Ppanda, Hiroshi  
 PATENT ASSIGNEE(S): Tokuyama Sekisui Ind Corp, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF

DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09003122	A	19970107	JP 1995-171451	19950614
PRIORITY APPLN. INFO.:			JP 1995-171451	19950614

AB The resins are prepared by chlorination of poly(vinyl chlorides) (PVC), which are obtained by emulsion polymerization of vinyl chloride monomer in aqueous media in the presence of (i) monomer-soluble initiators, (ii) water-soluble macromol. emulsifiers, and (iii) vinyl chloride-base copolymers with d.p. <800 and containing 0.1-8% anionic or cationic hydrophilic sidechains as dispersing aids for acquiring PVC for chlorination with good workability. Thus, 3,645 g vinyl chloride was copolymd. with 259 g 2-hydroxypropyl acrylate and 15 g acid phosphoxyethyl methacrylate at 43-50° in MeOH to give a phosphoryl-containing polymer (I). Then, 100 parts vinyl chloride was polymerized at 58° in H2O in the presence of partially-saponified poly(vinyl alc.), hydroxypropyl Me cellulose, I, α-cumyl peroxyneodecanoate, and tert-Bu peroxyneodecanoate to give a PVC (d.p. 1,000) which was chlorinated at 70° with Cl2 gas while irradiating with UV light to 68.5% Cl content to give a chlorinated PVC showing gelation temperature 190° and heat distortion temperature 140° (ASTM D 648).

L17 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1993:149871 CAPLUS

DOCUMENT NUMBER: 118:149871

ORIGINAL REFERENCE NO.: 118:25735a,25738a

TITLE: Polymeric dispersants for suspended solids in

INVENTOR(S): nonaqueous liquid detergents  
Houghton, Mark Philip; Jurgens, Albertus; Kimpton,  
Paul; Russell, Stephen William  
PATENT ASSIGNEE(S): Unilever N. V., Neth.; Unilever PLC  
SOURCE: Eur. Pat. Appl., 22 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 510762	A2	19921028	EP 1992-201092	19920416
EP 510762	A3	19940622		
EP 510762	B1	19960306		
R: CH, DE, ES, FR, GB, IT, LI, NL, SE				
ES 2084262	T3	19960501	ES 1992-201092	19920416
CA 2066869	A1	19921024	CA 1992-2066869	19920422
AU 9215106	A	19921029	AU 1992-15106	19920423
AU 654344	B2	19941103		
BR 9201494	A	19921201	BR 1992-1494	19920423
JP 05140599	A	19930608	JP 1992-104935	19920423
ZA 9202944	A	19931025	ZA 1992-2944	19920423

PRIORITY APPLN. INFO.: GB 1991-8665 A 19910423  
AB A nonaq. liquid detergent composition containing suspended solids (e.g., builders and/or bleach) is stabilized against sedimentation by adding a copolymer of  $\geq 1$  monomer having a group with affinity for the solid particles and  $\geq 1$  monomer having a group with affinity for the liquid A copolymer of acrylic acid 64, 2-acrylamido-2-methylpropanesulfonic acid 1, and lauryl methacrylate 35% was used as a dispersant in a laundry detergent composition containing liquid nonionic surfactants, Na<sub>2</sub>CO<sub>3</sub>, Na perborate monohydrate, and additives.

OS.CITING REF COUNT: 64 THERE ARE 64 CAPLUS RECORDS THAT CITE THIS RECORD (66 CITINGS)

L17 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1990:181746 CAPLUS

DOCUMENT NUMBER: 112:181746

ORIGINAL REFERENCE NO.: 112:30731a,30734a

TITLE: Preparation of rosin dispersions as internal sizes for nonacidic paper

INVENTOR(S): Iwata, Noriyuki; Aoki, Hirofumi; Ishikawa, Yoshihide; Hashiguchi, Yoshiharu; Hamada, Masao

PATENT ASSIGNEE(S): Harima Chemicals, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01221598	A	19890905	JP 1988-45428	19880227
PRIORITY APPLN. INFO.:			JP 1988-45428	19880227

AB The title comps., with good storage stability and useful in closed papermaking systems without precipitation by hard water, are 25-60% dispersions of 80-99 parts fortified rosin and 20-1 parts dispersants prepared from saponified

copolymers of unsatd., hydrophobic group-forming unsatd. sulfonic acids or unsatd. sulfonic acids and hydrophobic group-forming comonomers. A .apprx.20% emulsion of 100%-sapond.polymer was prepared from 80% Na styrenesulfonate 43.8, Me methacrylate 10, Bu methacrylate 35, and stearyl methacrylate 20 parts. Adding 111 parts this emulsion over 5 min to 200 parts fortified rosin at 130° and adding 37 parts water (temperature 90°) gave a 63% water-in-oil emulsion which was mixed with 142.5 parts hot water to give an inverted dispersion (41% solids) with good storage stability and resistance to precipitation by recycled white water.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
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ENTRY	SESSION
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FULL ESTIMATED COST

29.70	183.80
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
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ENTRY	SESSION
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CA SUBSCRIBER PRICE

-5.95	-8.50
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SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 15:36:37 ON 07 APR 2010